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BALANCED EQUIPMENT CHART

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BALANCED EQUIPMENT CHART

This chart is an attempt to show a proper balancing of the various power units with equipment units. Inasmuch as each job presents problems and conditions peculiar to itself, certain variations from the chart may be necessary, but it is believed that the data contained herein should serve as a valuable guide in all cases.

THE POWER UNITS ARE SHOWN ON FIRST PAGE, AND SHOULD BE USED WITH EQUIPMENT UNITS SHOWN ON THE SAME NUMBERED LINE ON ANY PAGE.

Approved:

F. D. Matthews
F. D. Matthews
Regional Chief Engineer

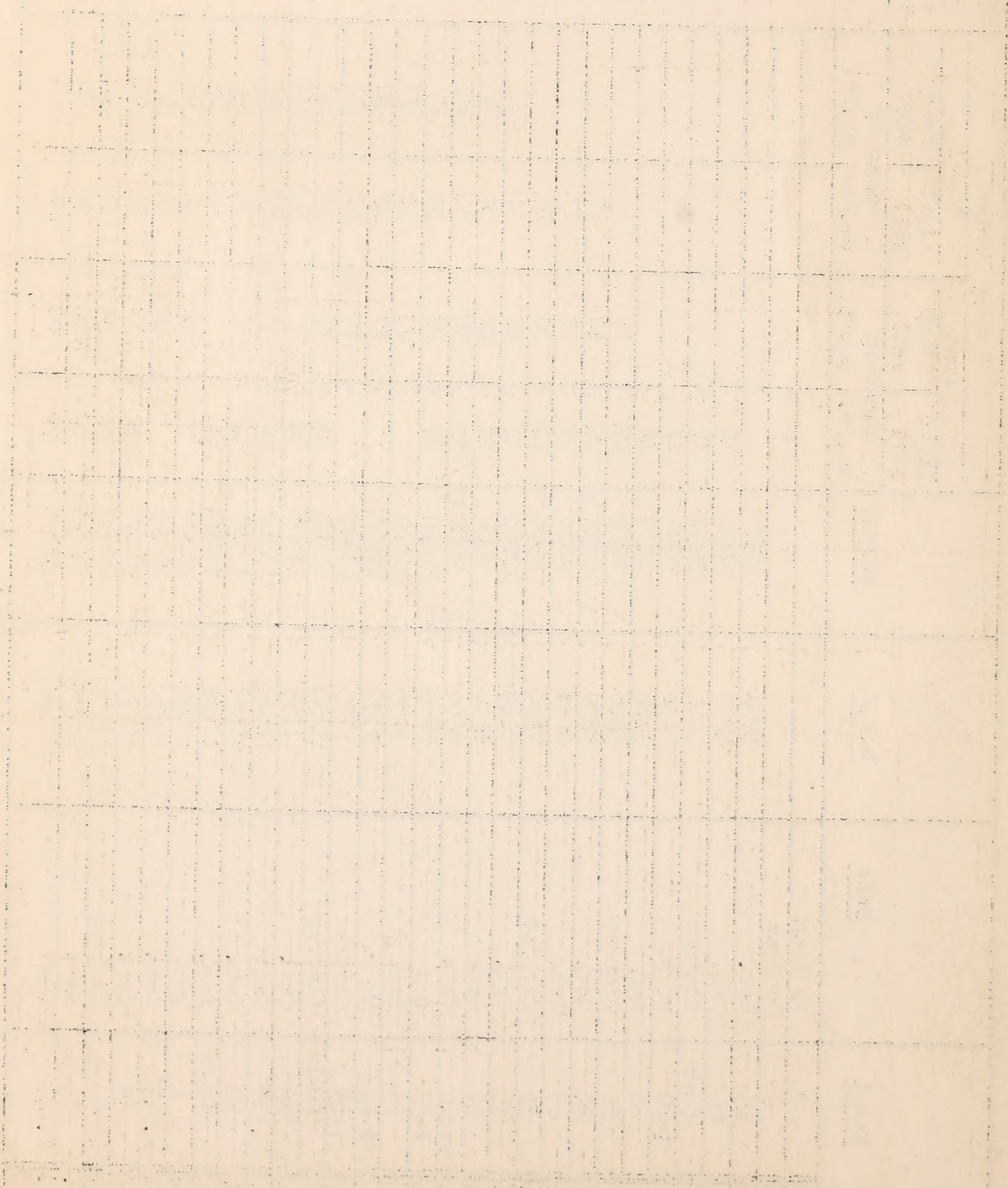
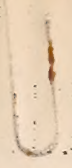
Compiled:

H. G. Calkins
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Construction Operations

Model		Make	D.B.P.	Weight	Rotary Scrapers					Bull Dozer, road builder and other tractor at- tachments.	Grain Drills
					Drag		Wheel				
					light soil cu.ft.	heavy soil cu.ft.	light soil cu.ft.	heavy soil cu.ft.	capacity cu.ft.		
1.	2	Up Team									2 Row
2.	4	Up Team									6 Ft.
3.	15	Cat.	3000	5047							8
4.	20	Cat.	4252	5900	18						10
5.	20-C	Cletrac	4444	5950	18						10
6.	T-20	Mc D.	5156	6800	18						18
7.	M	A-C	5166	6400	18						18
8.	25	Cletrac	5206	7000	22	18					20
9.	22	Cat.	5290	6270	22	18	27				20
10.	25	Cat.	6011	7670	22	18	27				24
11.	35	Cletrac	7580	9500	22	18	27				26
12.	35	Cat.	8169	12280	27	22	30	27			30
13.	30	Cat.	8500	9400	27	22	30	27			30
14.	R.D.4	Cat.	8500	9800	27	22	30	27			30
15.	K-33	A-C	8865	11400	27	22	30	27			30
16.	35-D	Cat.	9135	11500		27	42	30			34
17.	T-40	Mc D.	9339	10500		27	42	30			34
18.	55	Cletrac	9725	11800		27	42	30			36
19.	40-D	Cletrac	11134	12150	42	27	50	42			40
20.	40	Cat.	11235	13900	42	27	50	42			40
21.	R.D.6	Cat.	11400	15560	42		50	42			40
22.	50	Cat.	12061	17190	42		50	42			50
23.	50-D	Cat.	12765	17890	42		64	50			50
24.	L	A-C	15086	21800		42	64	50			50
25.	R.D.7	Cat.	15530	21130		42	64	50			50
26.	70	Cat.	16796	31070	50	50	90	64			60
27.	80-60	Cletrac	18551	22480	60	50	90	64			60
28.	75-D	Cat.	18697	31750	60	60	90	64			60
29.	R.D.8	Cat.	22490	32790	90	60	100	90			80

Should only be ordered as a unit with tractor. Size, weight, and capacity depending on size of tractor. Care should be taken that attached unit is not too heavy--these units should not be changed from one tractor to another except to same make and model.



Sheep Foot Tamping Roller			Plows		Blade Graders				Rippers			
	Light Draft 5% grade	Heavy Draft Over 5% grade	No. Bots.	Size	Easy Grades Light Cuts		Steep Grades Average Cuts		Medium Hard Soil		Hard Soil Shale etc.	
					Blade	Weight	Blade	Weight	Teeth	Weight	Teeth	Weight
1.			1	10 in.								
2.			1	14								
3.			2	10								
4.			2	12	8 ft.	1700						
5.			2	12		1700						
6.			2	14		1700			3	1700		
7.			2	14		1700			3	1700		
8.			3	12		1700			3	1700		
9.			3	12		1700			3	1700		
10.	Single 3000		3	14		3600	8 ft	1700	5	1930	3	1700
11.	3000		3	14		3600		1700	5	1930	3	1700
12.	3000		4	12		3600		1700	3	2000	3	1700
13.	4000	Single 3000	4	12	10 ft.	5800		3600	3	2000	5	1930
14.	4000	3000	4	12		5800		3600	3	2000	5	1930
15.	4000	3000	4	14		5800		3600	3	2000	5	1930
16.		4000	4	14	10 ft.	7800	10 ft	5800	5	2140	3	2000
17.		5000	5	12		7800		5800	5	2140	3	2000
18.		5000	5	12		7800		5800	5	2140	3	2000
19.	Double 5600	Double 9000	5	14		7800		5800	5	2140	3	2000
20.	5600	9000	5	14		7800		5800	3	3300	5	2140
21.	5600	9000	5	14		7800		5800	3	3300	5	2140
22.	5600	10000	6	12	12 ft.	10500		7800	3	3300	5	2140
23.	Triple 9500	10000	6	12		10500	12 ft	10500	3	3300	5	2140
24.	9500	Triple 9500	6	14		10500		10500	5	3700	3	3300
25.	9500	9500	6	14		10500		10500	5	3700	3	3300
26.	9500	9500	7	14		12200		10500	3	5800	5	3700
27.	12500	12500	8	14		12200		12200	5	6200	3	5800
28.	12500	12500	8	14		12200		12200	5	6200	3	5800
29.	Double Tandem 24000	Double Tandem 24000										
			10	14				12200			5	6200

This type Harrow must be used as conditions warrant in each case.

Terracers					Ditchers "Chattin"			Fresnos Slip Scrapers		Stone Boats	Harrow	
	Loose Soil		Hard Soil		Soft Ground		Hard Ground		Slip No.	Size : Weight	Disc.	Peg. Tooth
	Blade	Weight	Blade	Weight	Model	Weight	Model	Weight				
1.									3 & 4	2 & 3		
2.									2	1 & 2		
3.					15	275			1			
4.	8	1100			25	405	15	275	1			
5.	8	1100			25	405	15	275	1			
6.	8	1100			35S	540	25	405	1		10 ft	
7.	8	1100			35S	540	25	405	1		10	
8.	8	1100			35S	540	25	405			10	
9.			8	1100	35S	540	25	405			10	
10.			8	1100	35S	540	25	405			18	
11.					35H	850	35S	540		4'x5'	18	
12.					35H	850	35S	540		4'x5'	20	
13.					35H	850	35S	540		4'6"x6'	20	
14.					35H	850	35S	540		4'6"x6'	20	
15.					35H	850	35S	540		4'6"x6'	20	
16.	10	4790			40	1050	35H	850	Le Tourneau Carry All Cu.yd. : Wt.	4'6"x6'	24	
17.	10	4790			40	1050	35H	850		4'6"x6'	24	
18.	10	4790			40	1050	35H	850		4'6"x6'	24	
19.			10	4790	40	1245	35H	850		6'x8'	30	
20.			10	4790	40	1245	35H	850		6'x8'	30	
21.			10	4790	40	1245	35H	850	6	11200	30	
22.					40	1245	40	1050	6	11200	30	
23.					40	1245	40	1050	6	11200	30	
24.					50	1320	40	1245		6'x8'		
25.					50	1320	40	1245	8	11800		
26.					50	1570	50	1320	8	11800		
27.							50	1570	12	16800		
28.							50	1570	12	16800		
29.							50	1570	12	16800		

